



SECOR
INTERNATIONAL
INCORPORATED

www.secor.com

2655 Camino Del Rio N. Suite 302
San Diego, CA 92108
619-296-6195 TEL
619-296-6199 FAX

November 21, 2005

Project No. 08BP.05141.06

Well Permit Desk
County of San Diego, Department of Environmental Health
Land and Water Quality Division
P.O. Box 129261
San Diego, California 92112-9261

Subject: Well Destruction Report
ARCO Facility No. 5141
1550 Morena Blvd.
San Diego, California 92110
APN 436-020-03-00
SAM Case No. H05204-002
Well Destruction Permit No. LMON103237

Dear Sir or Madam:

SECOR International Incorporated (SECOR), on behalf of Atlantic Richfield Company, destroyed 7 wells (groundwater monitoring) on the above-referenced site (Figure 1). A well destruction permit (permit number LMON103237) was issued by the County of San Diego, Department of Environmental Health, Land and Water Quality Division (LWQD) dated August 31, 2005. The wells were destroyed following closure of case number H05204-002. Details of the well destruction activities are presented below.

From October 3 through 4, 2005, SECOR supervised Gregg Drilling and Testing, Inc. (Gregg) destroy 5 on-site and 2 off-site wells. The wells were destroyed using a limited access drill rig (LAR) equipped with a CME 75 engine and with 10-inch outer diameter (OD) hollow stem augers (HSAs). All well materials were removed as the boreholes were over-drilled. The boreholes were backfilled with bentonite grout from the bottom of each borehole to approximately 8 feet below ground surface (bgs), sealed with approximately 5 feet of bentonite chips, and capped with approximately 3 feet of concrete. The concrete was dyed to match the surrounding ground surface.

The approximate quantities of materials used to backfill the well boreholes were as follows:

Well Number	Well Depth (feet bgs)	Borehole Depth (feet bgs)	Bentonite Grout (cubic feet)	Hydrated Bentonite Chips (cubic feet)	Concrete (cubic feet)
BC-1	20.5	22.0	7.7	2.7	2.4
BC-2	20.5	22.0	7.7	2.7	2.4
BC-3	20.5	22.0	7.7	2.7	2.4
BC-4	20.5	22.0	7.7	2.7	2.4
BC-5	20.5	22.0	7.7	2.7	2.4
BC-6	20.0	22.0	7.7	2.7	1.6
BC-7	20.0	22.0	7.7	2.7	1.6

bgs = below ground surface

A site location map, site plan, and a copy of the well permit cover sheet are enclosed. If any additional information is required, please contact the undersigned.

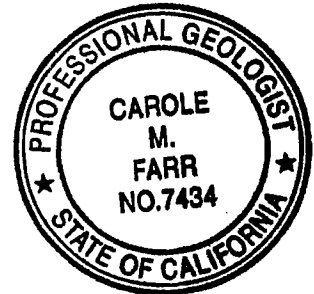
Respectfully submitted,

SECOR International Incorporated

Melissa Garrett
for J. Carlos Rodriguez

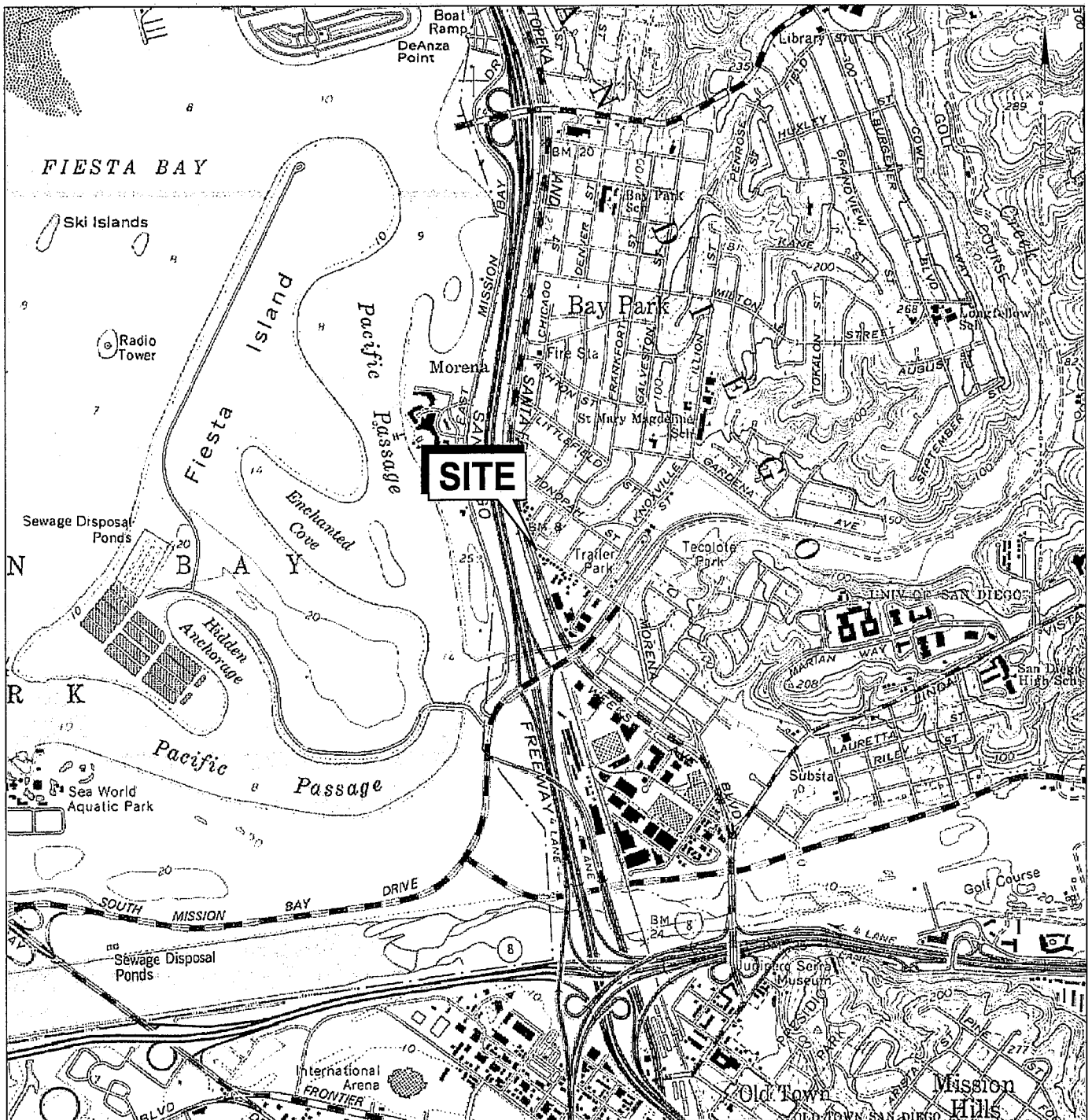
Project Geologist

Carole M. Farr
Carole M. Farr, PG #7434
Senior Geologist



cc: Mr. Roy Thun – Atlantic Richfield Company
Mr. Danny Martinez – County of San Diego SAM
Ms. Joanna Mckeehan – Gregg Drilling and Testing, Inc.

Enclosures: Figure 1 – Site location Map
Figure 2 – Site Plan
DEH Well Destruction Permit Cover Sheet



CALIFORNIA
QUADRANGLE LOCATION

0 1320 2640
APPROXIMATE SCALE IN FEET

N
NOT TO SCALE



SECOR

2655 CAMINO DEL RIO NORTH, SUITE 302
SAN DIEGO, CALIFORNIA
PHONE: (619) 296-6195/296-6199 (FAX)

FOR:

ARCO FACILITY #05141
1550 MORENA BOULEVARD
SAN DIEGO, CALIFORNIA

SITE PLAN LOCATION MAP

FIGURE:

1

JOB NUMBER:

08BP.5141C.01.0006

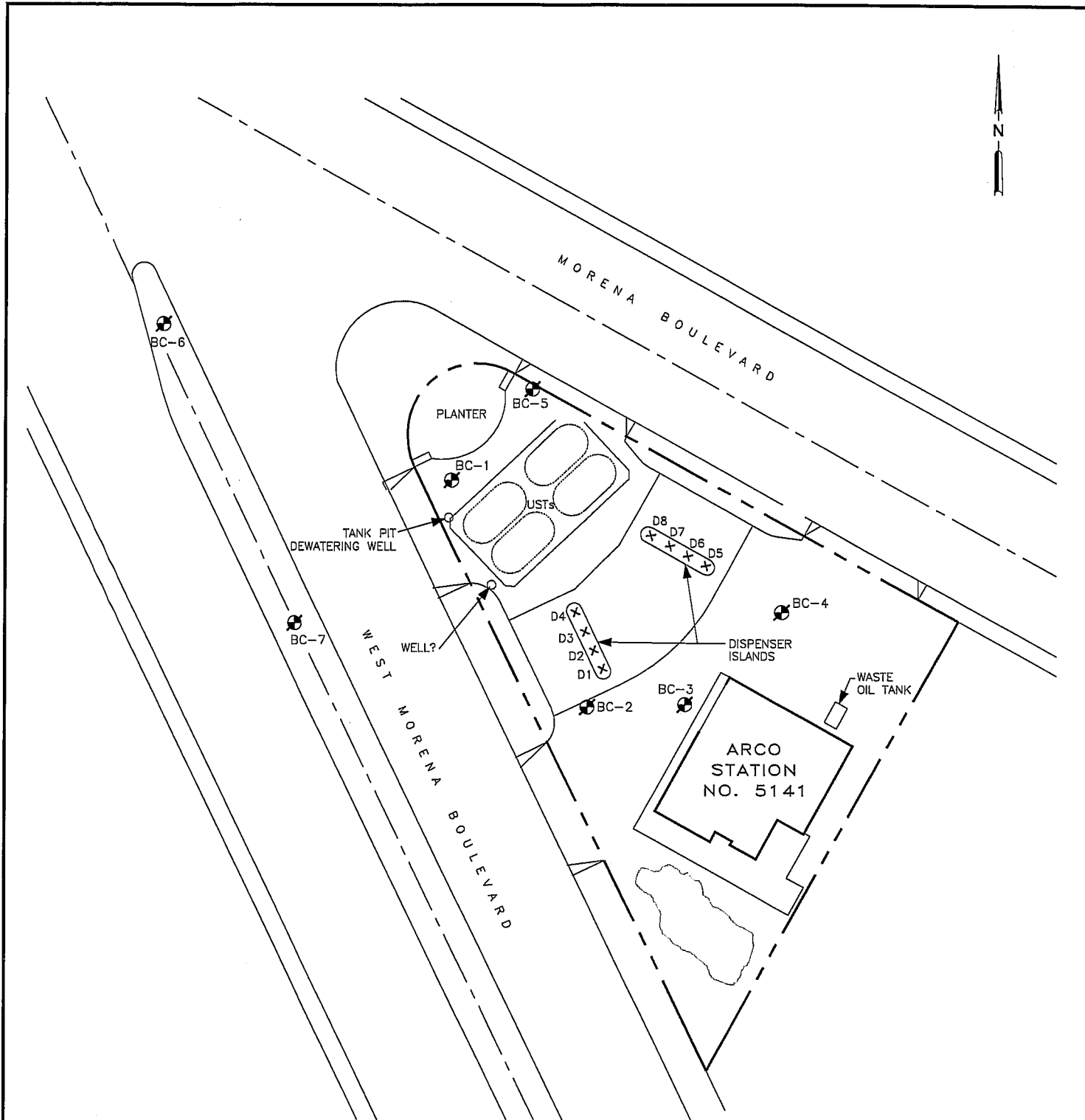
DRAWN BY:

CHECKED BY:

APPROVED BY:

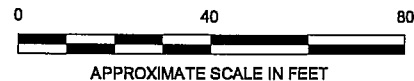
DATE:

10/28/05



LEGEND:

BC-7  DESTROYED GROUNDWATER MONITORING WELLS



SECOR

2655 CAMINO DEL RIO NORTH, SUITE 302
SAN DIEGO, CALIFORNIA
PHONE: (619) 296-6195/296-6199 (FAX)

FOR:

ARCO FACILITY #5141
1550 MORENA BOULEVARD
SAN DIEGO, CALIFORNIA

SITE PLAN

FIGURE:

2

JOB NUMBER:

08BP.05141.04

DRAWN BY:

JA

CHECKED BY:

APPROVED BY:

DATE:

10/28/05



PERMIT #LMON103237
A.P.N. #436-020-03-00
EST #H05204-002

**COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
MONITORING WELL PROGRAM**

MONITORING WELL DESTRUCTION PERMIT

SITE NAME: ARCO FACILITY #5141 & OFFSITE

SITE ADDRESS: 1550 MORENA BLVD. & PUBLIC RIGHT OF WAY, SAN DIEGO, CA
92110

PERMIT TO: **DESTROY 7 GROUNDWATER MONITORING WELLS**

PERMIT APPROVAL DATE: AUGUST 31, 2005

PERMIT EXPIRES ON: DECEMBER 29, 2005

RESPONSIBLE PARTY: ATLANTIC RICHFIELD COMPANY

PERMIT CONDITIONS:

1. All material within the original borehole, which includes the casing, filterpack and annular seal, must be removed. The borehole must be completely filled with an approved sealing material as specified in Department of Water Resources Bulletin 74-90.
2. All water and soil resulting from the activities covered by this permit must be managed, stored and disposed of as specified in the SAM Manual in Section 5, II, E- 4. (http://www.sdcountry.ca.gov/deh/lwg/sam/manual_guidelines.html). In addition, drill cuttings must be properly handled and disposed in compliance with the Stormwater Best Management Practices of the local jurisdiction.
3. Within 60 days of completing work, submit a well destruction report, including description of the method of destruction, type and volume of materials used (in cubic feet) to the Monitoring Well Permit Desk. This report must include all items required by the SAM Manual, Section 5, Pages 5-7.
4. This office must be given 48-hour notice of any drilling activity on this site and advanced notification of drilling cancellation. Please contact the Well Permit Desk at 619) 338-2339.

NOTE: This permit does not constitute approval of a work plan as defined in Section 2722 of Article 11 of C.C.R., Title 23. Work plans are required for all unauthorized release investigations in San Diego County.

APPROVED BY:  DATE: 08/31/2005
ERNESTO L. PROFETA

NOTIFIED: by rinoz 8/31/05 ap